



WAP-6150 Version: 1

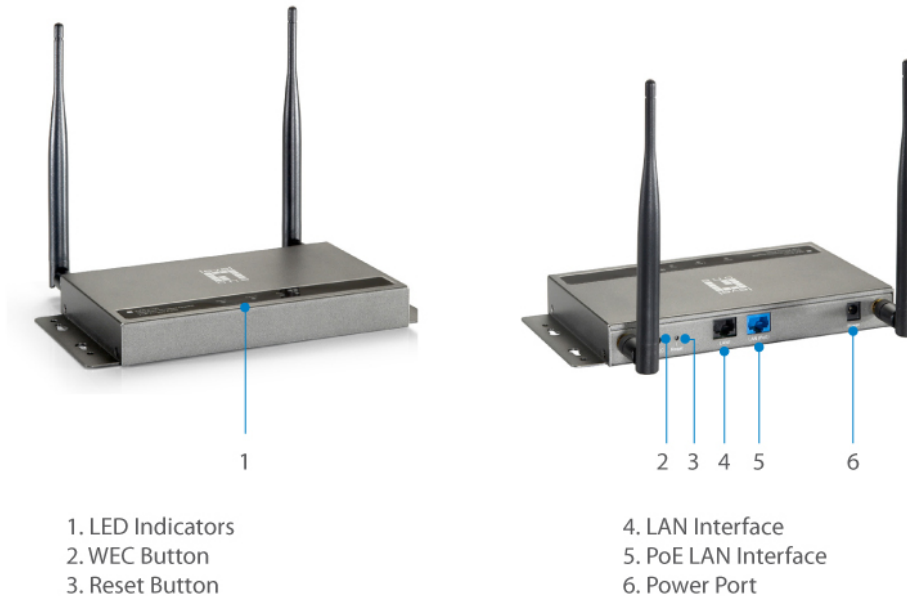
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## 300Mbps Wireless Gigabit PoE Access Point

The tough, high performance WAP-6150 is designed for fast wireless connectivity in enterprise or industrial environments of all dimensions. Embedded with IEEE 802.11n/b/g 2.4GHz MIMO radio in an dust-proof metal housing, the enterprise access point provides up to 300 Mbps internet speed in an industrial grade housing.

WAP-6150 enables fast, secure and easy wireless communication, with a WEC button for switching the device between Master and Slave Mode. In Slave Access Point (AP) mode, the device will extend a connection without requiring login to the configured Web, The Wireless Access Point also supports tunnel-based AP Management, and boasts business grade security such as 802.1X and Wi-Fi Protected Access (WPA and WPA2). It also supports WDS for connecting multiple WAP-6150 devices, forming a wider network area.

WAP-6150 features multiple ESSIDs with VLAN tags; one WAP-6150 can emulate up to eight Virtual APs, so offers great performance in situations commonly found in large enterprise, such as separating traffic from different departments using unique ESSIDs. Wireless clients are shielded from each other by Layer 2 isolation, preventing possible attacks from malicious users. When implemented with a Wireless Layer 2 firewall, WAP-6150 inspects all inter-virtual AP traffic as well as wireless-to-wired traffic and decides whether to block or allow passage according to specified security criteria. The device is also PoE compatible, according to standard IEEE 802.3af, and supports IEEE 802.11b/g/n wireless standards.



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## Key Features

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Multi-operation modes to suit different wireless applications
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Provides up to 8 SSIDs to separate network traffic and enhance security
- WEC(Wireless Easy Connection) button for automatic WDS connection
- Enlarge wireless network coverage through WDS technology
- Auto Channel Selection for low interference band
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1X for high level security

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## Works Well With



### WCS-6050

5-Megapixel Day/Night Wireless P/T Network Camera - IR LEDs



### WUA-0605

300Mbps Wireless USB Network Adapter

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## Specifications

### System Specifications

#### Connectors and Cabling:

1x 10/100/1000 Mbps Base-T RJ-45 Port

1x 10/100/1000 Mbps Base-T PoE Port

#### Button:

WEC button, Reset button

**Indicator:**

Power, WLAN, PoE, LAN

**Power:**

Power over Ethernet (IEEE802.3af) 48 VDC

Power supply DC12V / 1A

**Standards & Protocols:**

IEEE 802.3 10-BASE-T, Ethernet

IEEE 802.3u 100-BASE-TX, Fast Ethernet

IEEE 802.3ab 1000BASE-T, Gigabit Ethernet

IEEE 802.1Q Tag-based VLAN

IEEE 802.11e Wi-Fi Multimedia (WMM)

IEEE 802.1X Port-based Network Access Control (PNAC)

IEEE 802.3x Ethernet Flow Control

IEEE 802.11i Wi-Fi Protected Access (WPA2)

IEEE 802.11b, IEEE 802.11g, IEEE 802.11n Wireless Networking

IEEE 802.3 af Power over Ethernet

## Wireless

**Operating Mode:**

AP, Client, WDS (point-to-point/multi-point, max. 4 peer APs), WDS Hybrid, Universal Repeater

**Encryption:**

WEP 64/128-bit Web share key encryption

WPA, WPA2 128-bit TKIP/AES encryption

WPA, WPA2-PSK TKIP/AES encryption

802.1x RADIUS support

**Receive Sensitivity(dBm):**

802.11n (20MHZ): Range (-72 ~ -87) dBm

802.11n (40MHZ): Range (-68 ~ -87) dBm

802.11g: Range (-72 ~ -91) dBm Error Rate = 10% at room temperature.

802.11b: Range (-89 ~ -91) dBm Error Rate = 8% at room temperature.

**Channel:**

Ch.1 ~ 11 USA

Ch.1 ~ 13 EU

**EIRP(dBm):**

(Controllable for different country regulations)

802.11n: up to 29dBm ± 1dBm

802.11g: up to 26dBm ± 1dBm

802.11b: up to 29dBm ± 1dBm

**Antenna:**

2x 5dBi Detachable Dipole Antenna

**Frequency Band (GHz):**

2.4 ~ 2.4835 GHz

**Data Transfer Rate:**

802.11n: 300 ~ 78 Mbps

802.11g: 54 ~ 6 Mbps

802.11b: 11 ~ 1 Mbps

## Features

**General:**

Auto Channel Selection

Multi-SSID: 8 SSIDs

**Security:**

802.1x RADIUS support  
Wireless Easy Connection (WEC) Push Button  
SSID Broadcast On/Off

**Management:**

Web-Based GUI Configuration  
Syslog monitoring  
SNMP V1/V2c/V3 supported

**QoS:**

802.11e WMM Supported

**Ease of Use:**

Web-based GUI with Quick Installation Wizard  
Web-based (HTTP) firmware upgrade

**Environment****Temperature (°C):**

Operating: 0°C ~ 40°C,  
Storage: -10°C ~ 70°C

**Humidity (Non-condensing):**

Storage: 0 ~ 95%  
Operating: 10 ~ 90%

**Physical Specifications****Dimensions (W x D x H mm):**

188 x 112 x 28 mm

**Weight (g):**

610 g

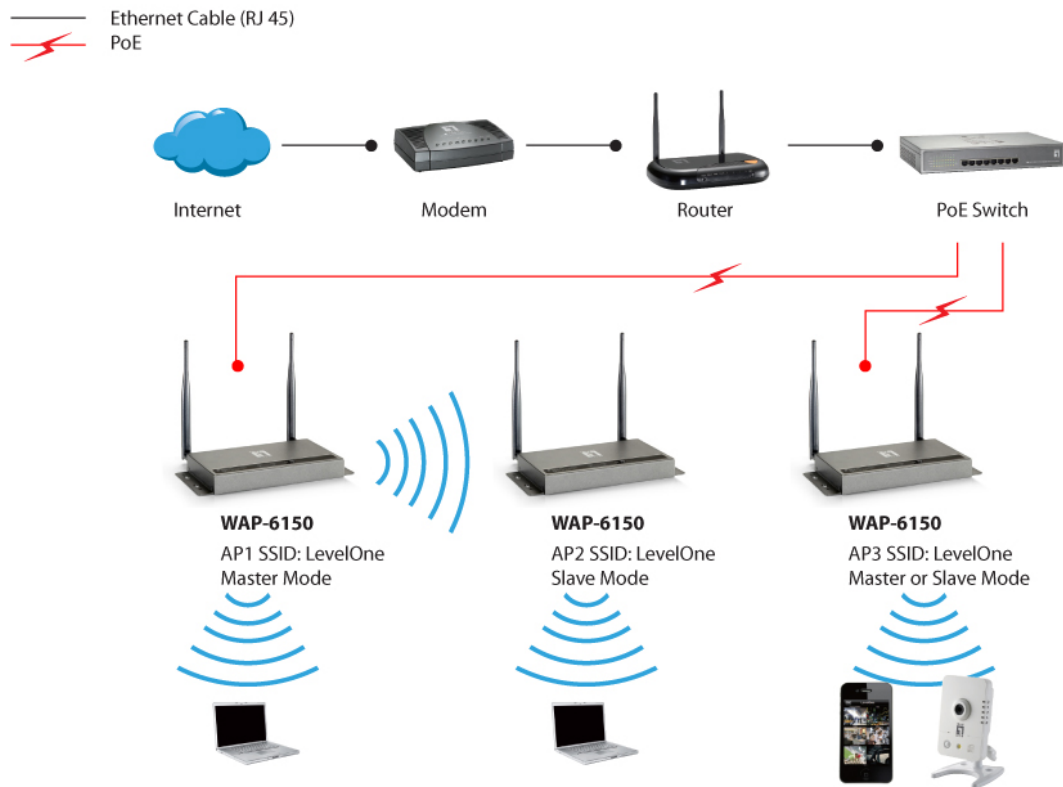
**Others****Approval and Compliance:**

CE, FCC

**Deployment:**

Desktop, wall-mounted

## Diagram



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## Order Information

WAP-6150

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## Package Contents

Power Adapter  
Antenna (x2)  
RJ45 Ethernet Cable  
Quick Installation Guide  
Resource CD (User Manual, QIG)

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